

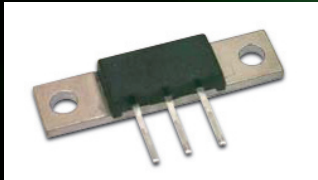


# Direct from **DARRAH** Microsemi Power Semiconductors

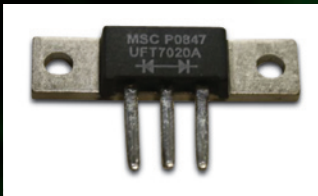
Mini-Mod



Small Mini-Mod



Mini-Mod



Half Pack



## Power Surface Mounts

Mini-Mod	Catalog Number	Definition	Amps	Volts
Schottky	FST8035SM-150SM	2 diode surface mount package	80	35 - 150
	FST8135SM-45SM	2 diode surface mount package	80	35 - 45
	FST8230SM	2 diode surface mount package	80	30
Ultrafast (FRED)	UFT7010SM-20SM	2 diode surface mount package	70	100 - 200
	UFT7120SM-50SM	2 diode surface mount package	70	200 - 500
	UFT7250SM-80SM	2 diode surface mount package	70	500 - 800

*Common Cathode part number shown. Add suffix A for Common Anode. Add suffix D for Doubler. e3 Indicates RoHS Compliance.*

Small Mini-Mod	Catalog Number	Definition	Amps	Volts
Schottky	FST6130-45	2 diode package	60	30 - 45
	FST6210-30	2 diode package	60	10 - 30
	FST6380-100	2 diode package	60	80 - 100
	FST6435-50	2 diode package	60	35 - 50

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Mini-Mod	Catalog Number	Definition	Amps	Volts
Schottky	FST8035-150	2 diode package	80	35 - 150
	FST8115-45	2 diode package	80	15 - 45
	FST8230 e3	2 diode package	80	30
	FST8335-45	2 diode package	80	35 - 45
	FST8515	2 diode package	80	15
Ultrafast (FRED)	UFT7010-20	2 diode package	70	100 - 200
	UFT7120-50	2 diode package	70	200 - 500
	UFT7250-80	2 diode package	70	500 - 800

*Common Cathode part number shown. Add suffix A for Common Anode. Add suffix D for Doubler. e3 Indicates RoHS Compliance.*

Half Pack	Catalog Number	Definition	Amps	Volts	
Schottky	HS12035-45 e3	1 diode package	120	35 - 45	
	HS12135-45 e3	1 diode package	120	35 - 45	
	HS12230 e3	1 diode package	120	30	
	HS12380-100 e3	1 diode package	120	80 - 100	
	HS12510-15 e3	1 diode package	120	10 - 15	
	HS126150 e3	1 diode package	120	150	
	HS18035-45 e3	1 diode package	180	35 - 45	
	HS18135-45 e3	1 diode package	180	35 - 45	
	HS18230 e3	1 diode package	180	30	
	HS18380-100 e3	1 diode package	180	80 - 100	
	HS18515 e3	1 diode package	180	15	
	HS24035-45 e3	1 diode package	240	35 - 45	
	HS24135-45 e3	1 diode package	240	35 - 45	
	HS24230 e3	1 diode package	240	30	
	HS24380-100 e3	1 diode package	240	80 - 100	
	HS24510-15 e3	1 diode package	240	10 - 15	
	HS24515 e3	1 diode package	240	15	
	Ultrafast (FRED)	HS247180-200	1 diode package	240	180 - 200
		HU10005-20 e3	1 diode package	100	50 - 200
		HU10120-50 e3	1 diode package	100	200 - 500
HU10260-80 e3		1 diode package	100	600 - 800	
HU20010-20 e3		1 diode package	200	100 - 200	
	HU20130-50 e3	1 diode package	200	300 - 500	
	HU20260-80 e3	1 diode package	200	600 - 800	

*Standard polarity base is cathode, reverse polarity is anode. Add suffix R for reverse polarity. e3 indicates RoHS Compliance.*

		Voltagess	Current Ratings
Schottky Rectifier	<ul style="list-style-type: none"> <li>• Low forward voltage drop</li> <li>• High frequency operation</li> <li>• Up to 175° junction temperature</li> <li>• Guard ring for enhanced ruggedness and long term reliability</li> </ul>	10 - 200	1 - 600
Ultrafast Diode	<ul style="list-style-type: none"> <li>• Short reverse recovery time</li> <li>• Low stored charge</li> <li>• Wide current range</li> <li>• Excellent surge capabilities</li> </ul>	50 - 1200	1 - 400

Typical applications are in high current switching power supplies, converters, free-wheeling diodes, inverters, choppers, ultrasonic systems, welding, solar systems, and reverse battery protection.

All product data sheets can be obtained at [www.microsemi.com](http://www.microsemi.com)

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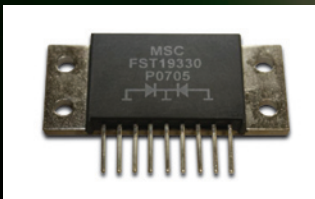


## Power Modules

TO249



9 Pin TO249



Non-Isolated TO249



TO244AB



Twin Tower



SOT227 (isoblock)



TO-249	Catalog Number	Definition	Amps	Volts
Flat Pack Schottky	FST10030-45	2 diode package	100	30 - 45
	FST16035-100	2 diode package	160	35 - 100
	FST16135-45	2 diode package	160	35 - 45
	FST16230	2 diode package	160	30
	FST19035-50	2 diode package	200	35 - 50
	FST19235-45	2 diode package	200	35 - 45
Ultrafast (FRED)	UFT14010-20 e3	2 diode package	100	100 - 200
	UFT14130-50 e3	2 diode package	100	300 - 500
	UFT14250-80 e3	2 diode package	100	500 - 800
	UFT21010-20 e3	2 diode package	200	100 - 200
	UFT21130-50 e3	2 diode package	200	300 - 500
	UFT21260-80 e3	2 diode package	200	600 - 800
Schottky	SSUM300120	3 diode package	300	1200
	FST6035-100	9 Pin, 2 diode package	60	35 - 100
	FST10130-45	9 Pin, 2 diode package	100	30 - 45
	FST15035-45	9 Pin, 2 diode package	150	35 - 45
	FST15135-50	9 Pin, 2 diode package	150	35 - 50
	FST15230	9 Pin, 2 diode package	150	30
	FST15515	9 Pin, 2 diode package	150	15
	FST15380-100	9 Pin, 2 diode package	150	80 - 100
Ultrafast (FRED)	FST19330-45	9 Pin, 2 diode package	300	30 - 45
	UFT10010-20	9 Pin, 2 diode package	100	100 - 200
	UFT10130-50	9 Pin, 2 diode package	100	300 - 500
	UFT10260-80	9 Pin, 2 diode package	100	600 - 800

Common Cathode part number shown. Add suffix A for Common Anode. Add suffix D for Doubler. e3 indicates RoHS Compliance.

Non-Isolated TO-249	Catalog Number	Definition	Amps	Volts
Flat Pack Schottky	FST17140-50	2 Pin, 2 diode package	170	40 - 50

Common Cathode part number shown. Add suffix A for Common Anode. Add suffix D for Doubler. e3 indicates RoHS Compliance.

TO-244AB	Catalog Number	Definition	Amps	Volts
	FST20035-50 e3	2 diode package	200	35 - 50
	FST30035-50 e3	2 diode package	300	35 - 50

Common Cathode part number shown. Add suffix A for Common Anode. Add suffix D for Doubler. e3 indicates RoHS Compliance.

Twin Tower	Catalog Number	Definition	Amps	Volts	
Schottky	CPT12035-50 e3	2 diode package	120	35 - 50	
	CPT20010-100 e3	2 diode package	200	10 - 100	
	CPT20130-45 e3	2 diode package	200	30 - 45	
	CPT20230 e3	2 diode package	200	30	
	CPT30035-100 e3	2 diode package	300	35 - 100	
	CPT30135-45 e3	2 diode package	300	35 - 45	
	CPT30230 e3	2 diode package	300	30	
	CPT40035-100 e3	2 diode package	400	35 - 100	
	CPT40135-45 e3	2 diode package	400	35 - 45	
	CPT50035-100 e3	2 diode package	500	35 - 100	
	CPT50130-45 e3	2 diode package	500	35 - 45	
	CPT50235-45 e3	2 diode package	500	35 - 45	
	CPT60035-100 e3	2 diode package	600	35 - 100	
	CPT60135-45 e3	2 diode package	600	35 - 45	
	Ultrafast (FRED)	UFT12505-20 e3	2 diode package	120	50 - 200
		UFT12620-50 e3	2 diode package	120	200 - 500
UFT12760-80 e3		2 diode package	120	600 - 800	
UFT20005-20 e3		2 diode package	200	50 - 200	
UFT20120-50 e3		2 diode package	200	200 - 500	
UFT20260-80 e3		2 diode package	200	600 - 800	
UFT40010-20 e3		2 diode package	400	100 - 200	
UFT40130-50 e3		2 diode package	400	300 - 500	
	UFT 40260-80 e3	2 diode package	400	600 - 800	

Common Cathode part number shown. Add suffix A for Common Anode. Add suffix D for Doubler. e3 indicates RoHS Compliance.

SOT227 Isoblock	Catalog Number	Definition	Amps	Volts
Schottky	SPB10015-100	2 diode, isolated base package	200	15 - 100
	SPB16015-100	2 diode, isolated base package	320	15 - 100
Ultrafast	SSPB100120	2 diode, isolated base package	200	1200
	UFPB6050	4 diode, common base package	240	500

Special Designs and Packages Available



# DARRAH ELECTRIC COMPANY

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