

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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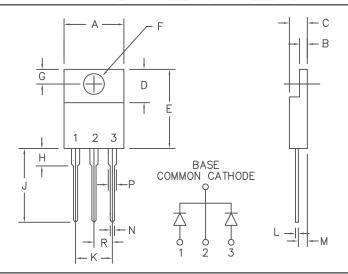
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







20 Amp Schottky Rectifiers FST20120-FST20150



Dim.	. Inches	Millimeter			
	Minimum	Maximum	Minimum	Maximum	Notes
ABCDE FGHJKLMNPR	.390 .045 .180 .245 .550 .139 .100 .500 .190 .014 .080 .015 .045	.415 .055 .190 .260 .650 .161 .135 .250 .580 .210 .022 .115 .040 .070	9.91 1.14 4.57 6.22 13.97 3.53 2.54 12.70 4.83 .357 2.03 .380 1.14 2.29	10.54 1.40 4.83 6.60 16.51 4.09 3.43 6.35 14.73 5.33 .559 2.92 1.02 1.78 2.79	Dia.

PLASTIC TO-220AB

Microsemi Catalog Number	Industry Part Number	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage
FST20120		120V	120V
FST20130		130V	130V
FST20150	20CTQ150 MBR20H150CT	150V	150V

- Schottky barrier rectifier
- Guard ring for reverse protection
- 2 X 10 Amperes Avg.
- High surge capacity
- VRRM 120-150 Volts

Electrical Characteristics

Average Forward Current per pkg.
Average Forward Current per leg
Maximum Surge Current per leg
Max. Peak Forward Voltage per leg
Max. Peak Forward Voltage per leg
Max. Peak Reverse Current per leg
Max. Peak Reverse Current per leg
Typical Junction Capacitance

F(AV) 20 Amps F(AV) 10 Amps FSM 225 Amps R(OV) 2 Amps VFM .83 Volts VFM .64 Volts RM 700 μA RM 100 μA C_J 280 pF T C = 157°C, Square wave T C = 157°C, Square wave 8.3ms, half sine, T J = 175°C f C = 1KHZ, 25°C, 1us square wave f FM = 10A, T J = 25°C* f FM = 10A, T J = 175°C* f VRRM, f J = 125°C f VRRM, f J = 25°C f VRRM, f J = 25°C

*Pulse test: Pulse width 300 usec. Duty cycle 2%

Thermal and Mechanical Characteristics -55°C to + 175°C -55°C to + 175°C **TSTG** Storage temp range TJ Operating junction temp range 2.4°C/W Junction to case 1.2°C/W Junction to case Max thermal resistance per leg ROJC Max thermal resistance per pkg. $R \ominus JC$ Typical thermal resistance (greased) Recs 0.5°C/W Case to sink Mounting torque 15 inch pounds maximum (6-32 screw)Weight .08 ounces (2.3 grams) typical



FST20120-FST20150

