Fast Recovery | MUR120 thru MUR150 | 1 Amp Rectifiers

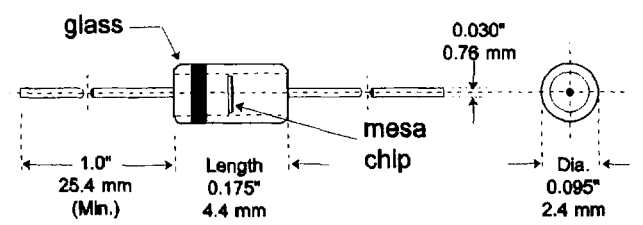
Use Advantages

These power rectifiers are used in fast switching, high efficiency applications.
Competitive glass replacement for plastic DO-41 rectifiers.
Particularly useful in switching regulator power supplies.
Used in harsh environments where hermeticity and performance are important
May be used on ceramic boards along with high temperature IR solder reflow.
Series may be processed to Source Control Drawings.

Features

- Humidity proof glass
- Thermally matched system
- Metallurgically bonded
- No thermal fatigue
- Sigma Bond™ plated contacts
- 100% guaranteed solderability
- Problem free assembly
- Six Sigma quality
- LL-41 MELF (DO-213AB) SMD types available

DO-41 Glass Package
(nominal dimensions)



Absolute Maximum Ratings	Symbol	Value	Unit
BKC Power Dissipation at 3/8" from the body, T_L= 75 °C	P_{tot}	1.5	Watts
Average Forward Rectified Current at 75 °C	I_{AV}	1.0	Amps
Junction & Storage Temperature Range	$T_{J\&S}$	-65 to +200	°C
Maximum Non Repetitive Surge (8.3ms)	I_{FSM}	35	Amps
Thermal Resistance at 3/8" from the body, T_L= 75 °C	$R_{\theta JL}$	60	°C/W

Characteristics at T = 25°C

Type	Peak Inverse Voltage (MIN.) (PIV) Volts	Maximum Forward Voltage Drop @ 1.0A (V_F) @ 25°C Volts	(V_F) @ 150 °C Volts	Maximum Leakage Current (I_R) @ PIV 25°C µA	150 °C µA	Typical Junction Capacitance @ -10V (C_O) pF	Maximum* Reverse Recovery (t_{rr}) nS
MUR120	200	1.25	1.05	5.0	150	15	50
MUR130	300	1.25	1.05	5.0	150	15	50
MUR140	400	1.25	1.05	5.0	150	15	50
MUR150	500	1.25	1.05	5.0	150	15	50

* I_F = 0.5 A, I_R = 1.0 A, I_{REC} @ 0.25A

LL-41 MELF SMD available (DO-213AB), substitute an LL prefix instead of the 1N prefix.

BKCSS029

BKC Semiconductors Incorporated

6 Lake Street
Lawrence, MA
USA 01841

Telephone (508) 681-0392 • FAX (508) 681-9135