

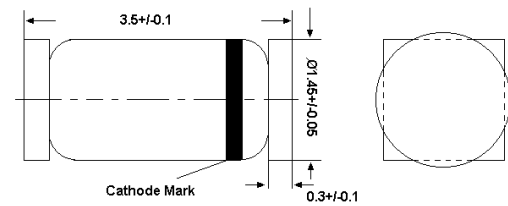
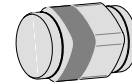
RoHS Compliant Product

A suffix of "-C" specifies halogen & lead-free

Quadro MELF

Features

- Designed for mounting on small surface
- High speed
- High mounting capability, strong surge withstand, high reliability



Mechanical Data

Dimensions in mm

Case: Quadro MELF Molded Glass
 Terminals : Solder plated, solderable per MIL-STD-750 Method 2026
 Polarity : Indicated by Cathode band
 Mounting Position: Any

MAXIMUM RATINGS (AT T_A=25°C unless otherwise noted)

PARAMETER	CONDITIONS	SYMBOL	MIN.	TYP.	MAX.	UNIT
Repetitive peak reverse voltage		V _{RM}			100	V
Continuous reverse voltage		V _R			75	V
Mean rectifying current		I ₀			150	mA
Forward surge current	1 sec. single half sine-wave superimposed on rate load (JEDEC methode)	I _{FSM}		500		mA
Power dissipation		P _d			500	mW
Storage temperature		T _J		+ 175		°C
Operating temperature		T _{STG}	-65		+ 175	°C

ELECTRICAL CHARACTERISTICS (AT T_A=25°C unless otherwise noted)

PARAMETER	CONDITIONS	SYMBOL	MIN.	TYP.	MAX.	UNIT
Forward voltage	I _F = 10 mA DC	V _F		0.93	1.00	V
Reverse current	V _R = 75 V	I _R		0.02	5	uA
Capacitance between terminals	f=1MHz and applied 0VDC reverse voltage	C _T			4	pF
Reverse recovery time	V _R =6V, I _F =10mA, R _L =50 Ω	trr			4	nS

RATING AND CHARACTERISTIC CURVES (LS4148)

Fig. 1 Forward characteristics

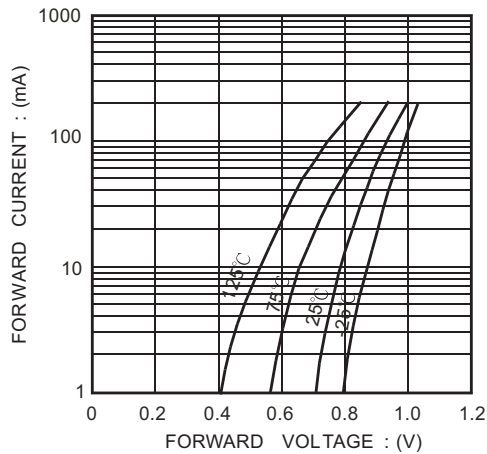


Fig. 2 Reverse characteristics

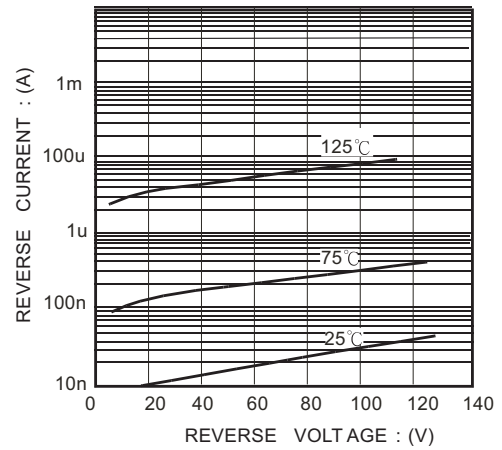


Fig. 3 Derating curve

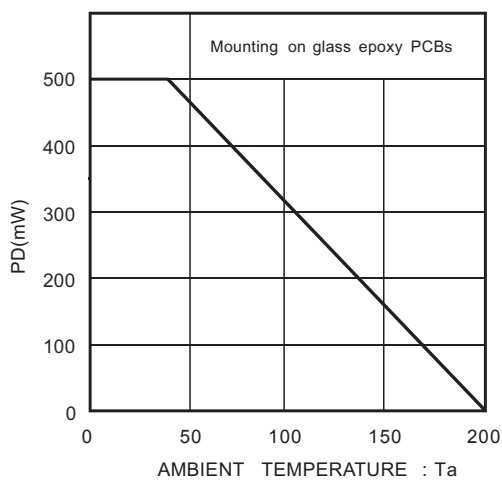


Fig. 4 Capacitance between terminals characteristics

