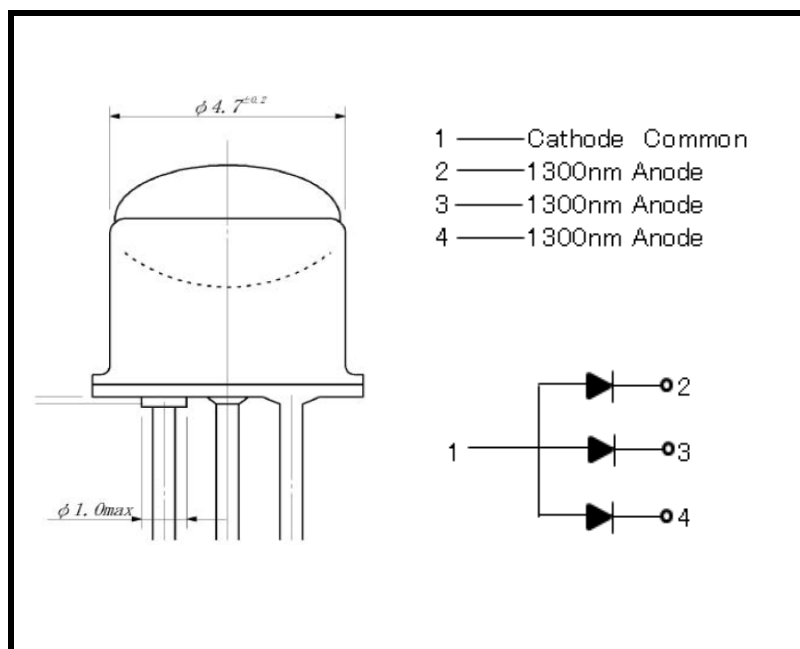


MTMS1300NN24

◆ ABSOLUTE MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$)

ITEM	SYMBOL	Maximum Rated Value		UNIT
		1300		
Forward Current (DC)	I_F	100		mA
Forward Current (Pulse)*1	I_{FP}	1		A
Reverse Voltage	V_R	5		V
Power Dissipation	P_D	100		mW
Operating Temp.	T_{opr}	-20 TO 85		$^{\circ}\text{C}$
Storage Temp.	T_{stg}	-30 TO 100		$^{\circ}\text{C}$
Junction Temp.	T_j	100		$^{\circ}\text{C}$
Lead Soldering Temp.*2	T_{ls}	260		$^{\circ}\text{C}$

*1: $T_w=10\mu\text{s}$, $T=10\text{mS}$ *2:Time 5 Sec max, Position: Up to 3mm from the body

◆ ELECTRICAL & OPTICAL CHARACTERISTICS ($T_a=25^{\circ}\text{C}$)

ITEM	SYMBOL	Wavelength	Condition	MIN	TYP	MAX	UNIT
Forward Voltage	V_F	1300	$I_F=50\text{mA}$		0.9	1.1	V
Reverse Current	I_R		$V_R=5\text{V}$			100	μA
Power Output	P_O	1300	$I_F=50\text{mA}$		0.9		mW
Peak Wavelength	λ_p	1300	$I_F=50\text{mA}$		1300		nm
Spectral Line Half Width	$\Delta\lambda$	1300	$I_F=50\text{mA}$		70		nm