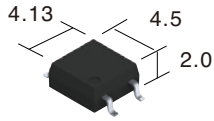
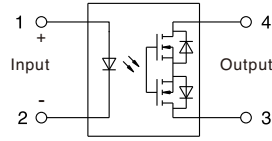


GU	HA	HV	HS	LR	RF
MAV6					
60V/0.2A			SOP4		



mm inch



FEATURES

1. Small SOP4-Pin package
2. Low-level off state leakage current of max. 50nA
3. Load voltage 60V available

APPLICATIONS

- Measuring instruments
Tester, etc.
- Security and disaster-preventing system
Use in I/O for alarm and security devices, etc.

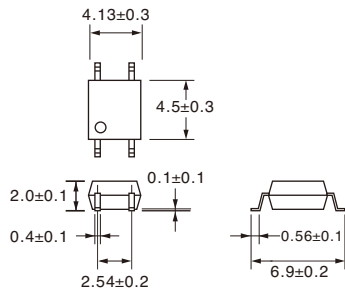
ABSOLUTE MAXIMUM RATINGS (AMBIENT TEMPERATURE : 25 °C)

ITEM		SYMBOL	VALUE	UNITS	REMARKS
INPUT	Continuous Led Current	I _F	50	mA	
	Peak Led Current	I _{FP}	500	mA	f= 100Hz,duty= 1%
	Led Reverse Voltage	V _R	5	V	
	Input Power Dissipation	P _{IN}	75	mW	
OUTPUT	Load Voltage	V _L	60	V	(AC peak or DC)
	Load Current	I _L	200	mA	
	Peak Load Current	I _{PEAK}	600	mA	1ms(1 pulse)
	Output Power Dissipation	P _{OUT}	300	mW	
Total Power Dissipation		P _T	350	mW	
I/O Breakdown Voltage		V _{I/O}	4500	V _{rms}	RH = 60%,1min
Operating Temperature		T _{OPR}	-40 to +85	°C	
Storage Temperature		T _{STG}	-40 to +100	°C	

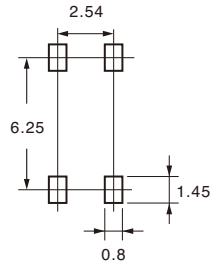
ELECTRICAL SPECIFICATION

ITEM		SYMBOL	VALUE	UNITS	CONDITIONS	
INPUT	LED Operate Current	TYP.	0.8	mA	I _L = Max.	
		MAX.	2.5	mA		
	LED Turn Off Current	MIN.	0.3	mA	I _L = Max.	
		TYP.	0.7	mA		
LED Dropout Voltage	TYP.	1.1	V	I _F = 10mA		
	MAX.	1.5	V			
OUTPUT	On-resistance	TYP.	4	Ω	I _F = 5mA, I _L = Rating, Within 1 sec	
		MAX.	6	Ω		
	Off-state Leakage Current	MAX.	I _{LEAK}	50	nA	V _L = 60V
Output Capacitance		TYP.	C _{OUT}	5	pF	V _L = 0, F = 1MHz
TRANSMISSION	Turn-on Time	TYP.	T _{ON}	0.1	ms	I _F = 5mA, I _L = Rating
		MAX.		0.5	ms	
	Turn-off Time	TYP.		0.03	ms	
		MAX.	T _{OFF}	0.5	ms	
COUPLED	I/O Isolation Resistance	MIN.	R _{I/O}	10 ⁹	Ω	
	I/O Capacitance	MAX.	C _{I/O}	1.3	pF	f = 1MHz

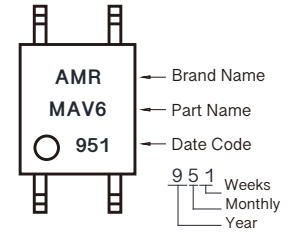
DIMENSIONS



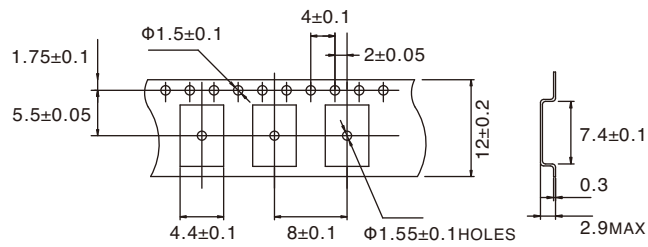
Actual Mounting Pad Dimensions (Top view)



Marking



Tape Form and Dimensions



Reel Form and Dimensions

