Micron Power Resistors

SELECTION GUIDE

	Mounting	Board Type									Chassis Type								
Fields	Туре	MN	MD	MV	MS	MG	мх	MP MQ	MZ	FR	ME	мн	MF	мс	MB	MY	MR	ML	мо
	Page	J4	J5	J5	J6	J6	J6	J7	J7	J10	J11	J8	J9	J9	J12	J13	J14	J15	J16
	Color T.V.	\bigcirc		\bigcirc	0		\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc							
Consumer Appliances	VCR	\bigcirc						\bigcirc		\bigcirc									
	Audio	\bigcirc	0		0			\bigcirc		\bigcirc									
	Displays	\bigcirc	0	\bigcirc	0		\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc							
OA	Printers	\bigcirc	0		0	0		\bigcirc			0								
Equipment	Facsimile	0	0		0			\bigcirc											
	Copiers	0		0	0			\bigcirc		0		\bigcirc							
	Switching Sources	\bigcirc	\bigcirc	0	\bigcirc	0	\bigcirc	\bigcirc	\bigcirc	0	\bigcirc		\bigcirc						
	General Inverters	\bigcirc			\bigcirc	0		\bigcirc			0	\bigcirc	\bigcirc	0	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Industrial	NC, servo Amplifiers	0			0	0		\bigcirc		0	0	\bigcirc	0	0	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Equipment	Industrial Robots	0			0	0		\bigcirc			0	\bigcirc	0	0	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
	Welders				0	0		\bigcirc			0	\bigcirc	0	0	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Auto-related Appliances	General	0	0		\bigcirc			\bigcirc			0	\bigcirc	0	0					
	Kerosene Fan Heaters	\bigcirc			0			\bigcirc				\bigcirc	0						
Miscellaneous	Gas Hot-Water Supplies	0						0					0						
	Microwave Ovens											0	0						
	Radio-Controlled Cars				0														
												Tv	vpe	T	vpical	Shape			

Туре	Typical Shape	Туре	Typical Shape	МЕ
MN	RSW IDKSJ MICRON 67	MP MQ		МВ
MD	5# 10.2.J Mickey 69	MZ		МҮ
мν		МН		MR
мз	W Local B	MF		М
MG		МС		мс
МХ		FR		LTF

Туре	Typical Shape
ME	
МВ	
МҮ	
MR	
ML	
МО	
LTR	

7267 Coldwater Canyon, North Hollywood. California 91605 • Phone (818) 765-8300 • Toll Free (800) 827-7422 • Fax (818) 765-2387



Micron Cement Resistors are the fail-safe resistors exclusively developed for use in TV's and various other electronic appliances. Thanks to their excellent structure and outstanding productivity, performance and construction, they are widely used to protect the current on your board. They have been highly praised in the fields of auto-related appliances and industrial equipment. In particular, we are confident that our own quality control systems and manufacturing techniques are sufficiently top-grade to offer high reliability and a variety of resistor types.

Micron Power Resistors are the resistors of choice by such World Class manufacturers as AT&T, Lucent, IBM, Mitsubishi, Toshiba and many others. All Micron Power Resistors have a lot code printed on the resistor for field traceability.

Features

• WIDE RESISTANCE RANGE:

Using wire-wound, metal oxide film, and thick film resistor elements, a very wide range of resistance can be covered.

• SMALL SIZE AND LARGE CAPACITY:

Though the resistors are designed to be compact, they are highly durable against rigorous loading.

• HIGH SAFETY:

Since they are composed of uniquely developed nonflammable materials, safety is outstanding against overload.

• SUPERB ELECTRICAL CHARACTERISTICS: Using carefully selected materials and based on MICRON's many years of manufacturing experience, stable characteristics are maintained.

• SURGE WITHSTAND CHARACTERISTICS:

Surge limiting resistors are designed to meet users' requirements, based on accumulated know-how.

• WIDE APPLICATION RANGE:

Various arrangements are being made to expand the application range and meet users' needs.

• **SPECIFICATIONS FOR SPECIAL APPLICATIONS:** Special specifications are also available, such as noninductive wire-wound type (AP), solvent-proof type (CL), UL-specifications type, detection-purpose low resistance type, etc.

Rated Power and Ambient Temperature

Standard Characteristics and Performance (Example for MSS)

	Characteristics	Micron St	andards	Actual Performance	EIAJ-RC2649 Standards			Type M	25	Type RW-98		
	onaracteristics	Test Method					Type MSS		(EIAJ RC-2649)			
	Terminal Strength	Pulled at 4.5kg	Durable					Rated Power	Ambient	Rated Power	Ambient	
Mechanical performance	Terminal soldering property	Dipped at 230°C for 5 sec.	90% min.	More than 95% of the area covered with new solder	3/4 230°C .5				Temperature		Temperature	
	Soldering heat durability	350°C for 3 sec.	±2%	Within 0.5%	±(1% + 0.05)		02	2		2		
	Resistor strength	10kg for 10sec.	Durable				-		_			
	Vibration durability	10-55-10Hz/min. 1.5mm in 3 directions for 6 hours in total	±1%	Within 0.5%	±(1% + 0.05)	(03	3		3		
Electrical performance	Withstand voltage	1000V applied for 1 min.	±0.5%	Within 0.1%	± (0.5 + 0.05)	_						
	Insulation resistance	500V megger	20M or more	100M or more	100M or more	(05	5	70	5	70	
	Rated load characteristic	Rated voltage for 30min.	±2%	Within 0.7%				7				
	Short-time overload characteristic	Rated power X 10/5sec	±2%	Within 0.5%	±(2% + 0.05)	(07					
	Resistance temperature characteristic	-25°C~155°C	400PPM/deg	Within 200PPM/deg.	± 250PPM/°C							
	Moisture load life characteristic	40°C.90~95% Rated power	±3%	Within 0.5%	± (3% + 0.05)		10	10		10		
Weather-proof performance	Moisture resistance	DC.100V 500Hr	5M or more	Within 0.5% 50M or more				15 20	25			
	Load life	1.5 Hr.ON.0.5Hr.Of Rated power	±5%	Within 3%	± (5% + 0.05)		15			12		
	Heat resistance	275°C . 2Hr	No abnormality				20					
	Thermal shock	Rated power 30 min 25°C for 15 min.	±3%	Within 0.8%	± (2% + 0.05)	Ľ	20	20				

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