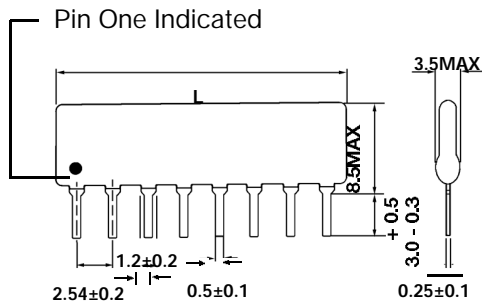


Capacitor/Resistor Networks

Dimension: mm

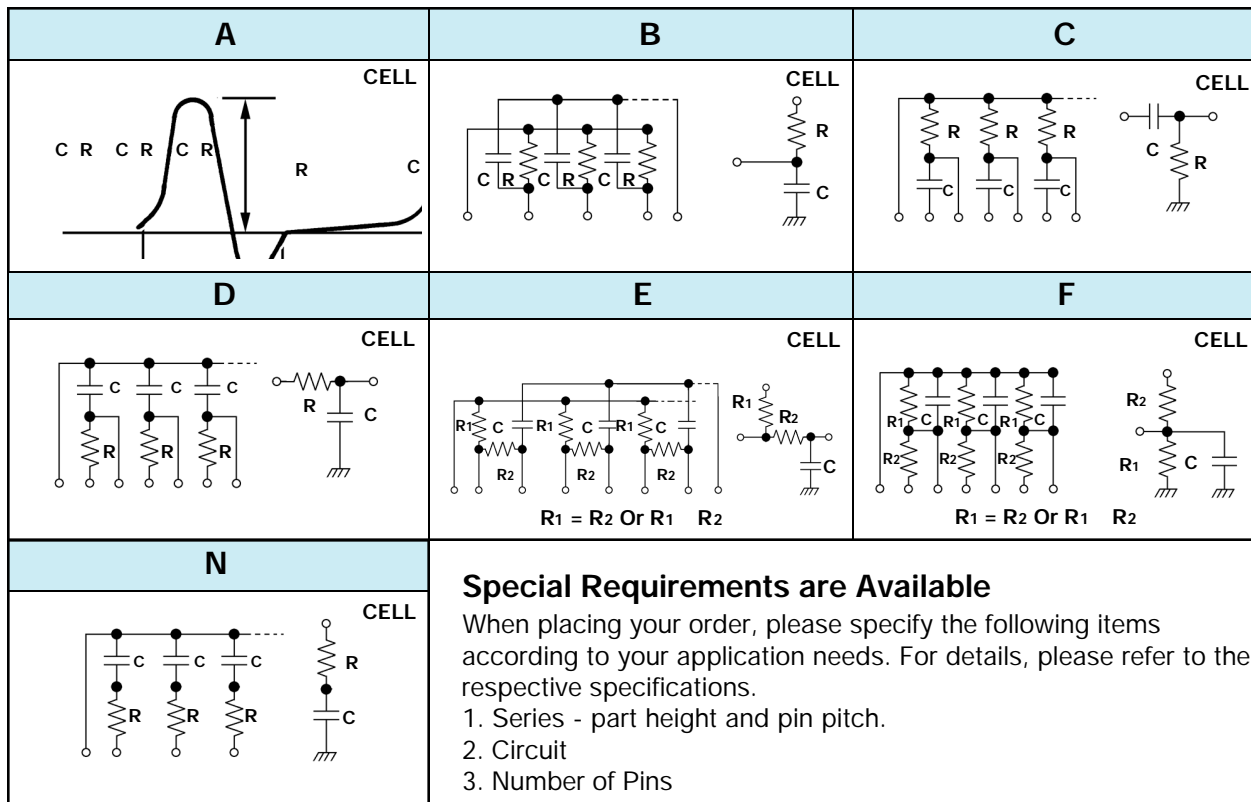


	Resistor	Capacitor
Max. Operating Voltage	50V	
Range	22 ~ 1M	10pF-0.1μF
T.C.R	± 100ppm/°C. ± 200ppm/°C.	NPO, X7R, Z5U
Tolerance	± 1% (F), ± 2% (G), ± 5% (J)	± 5%, ± 10%, ± 20%, + 80%-20%
Operating Temp. Range	- 25°C - + 85°C	
Storage Temp. Range	- 55°C - + 125°C	

mW/PACKAGE	No. Of Pins			
		5	6	7
	500	625	750	875

mW/PACKAGE	No. Of Pins			
		9	10	11
	1000	1050	1150	1250

Circuit Construction



Special Requirements are Available

When placing your order, please specify the following items according to your application needs. For details, please refer to the respective specifications.

1. Series - part height and pin pitch.
2. Circuit
3. Number of Pins
4. TC, Tol. Capacitance for Capacitor
5. Resistance, Wattage, Tol. for Resistor

Capacitor/Resistor Networks

Electrical Specifications - Capacitors

Item	TC	NPO	X7R	Z5U
Capacitance		10pf - 1000pf	220pF - 0.22μF	1000pF - 1μF
Capacitance Tolerance		J (5%), K (10%)	K (10%), M(20%)	M (20%), Z ⁺⁸⁰ ₋₂₀
Dissipation Factor		Max. 0.15%	Max. 2.5%	Max. 5%
Temp. Coefficient		± 30ppm/°C	± 15%	+ 22 ~ -56%
Operation Temp.		-25°C ~ +125°C	-25°C ~ + 125°C	+10°C ~ + 85°C
Dielectric Test		3 x Rated Voltage	2.5 x Rated Voltage	
Rated Voltage		50V		

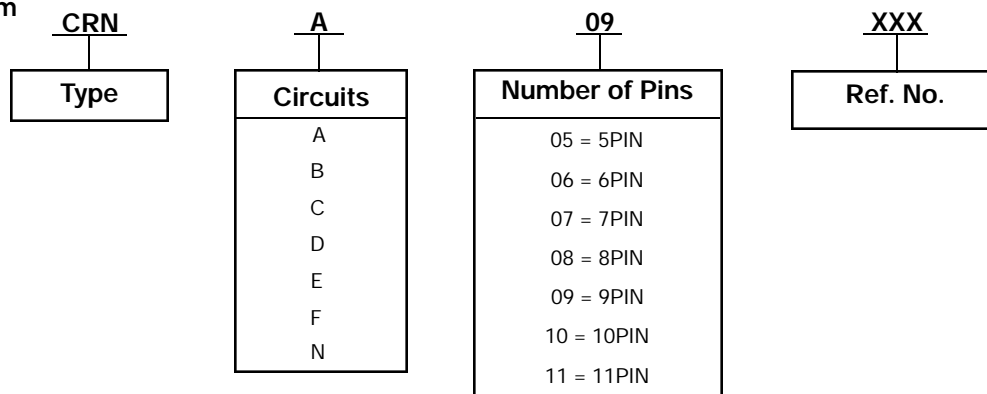
Electrical Specifications - Resistors

Resistance Range	10 - 1 Meg
Resistance Tolerance	± 2%, ±1% (±0.5% is available upon request)
Temperature Coefficient	± 100ppm/°C
TCR Tracking	± 50ppm/°C
Operating Voltage	50V Max.
Operating Temperature	-55°C ~ + 125°C
Power Rating	Power per resistor is 0.125W at 70°C

Characteristics

Short Time Overload	Max. R = ± 0.25%
Resistance to Soldering Heat	Max. R = ± 0.25%
Insulation Resistance	IR = 10,000 MEGOHM Min.
Terminal Strength	Max. R = ± 0.25%
Thermal Shock	Max. R = ± 0.5%
Solderability	Min. 95% Solder Coverage
Moisture Resistance	Max. R = ± 0.5%
Load Life	Max. R = ± 1%
Mechanical Shock	Max. R = ± 0.25%
Resistance to Solvents	Marking Remains Legible

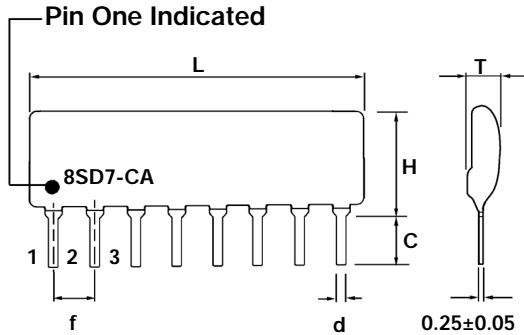
Part Numbering System



Diode Networks

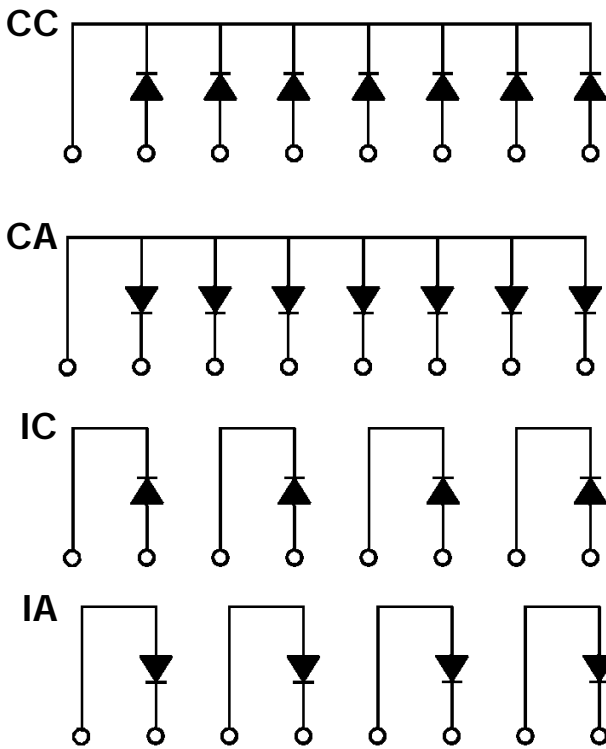


Dimension: mm



Type	L	H (Max)	T (Max)	C ± 0.5	d ± 0.5	f ± 0.2
5 Pin	12.7	9	4.0	3.5	0.5	2.54
6 Pin	15.3					
7 Pin	17.8					
8 Pin	20.4					
9 Pin	22.9					
10 Pin	25.4					
11 Pin	28.0					
12 Pin	30.5					

Dimension: mm



High-Speed Switching Diode Array Series Absolute Maximum Ratings (Ta = 25°C):

Item	Symbol	35V	75V	Unit
Peak Reverse Voltage	V_{RM}	40	80	V
Reverse Voltage	V_R	35	75	V
Surge Current (μ s)*	I_{FSM}	6.0	6.0	A
Surge Current (μ s)	I_{FSM}	4.0	4.0	mA
Peak Forward Current	I_{FM}	450	450	mA
Peak Forward Current	I_{FM}	300	300	mA
Average Forward Current	I_O	150	150	mA
Average Forward Current	I_O	100	100	mA
Junction Temperature	T_J	125	125	°C
Storage Temperature	T_{STG}	-55 +125	-55 +125	°C

Item	Symbol	Condition	35V		75V		Unit
			typ.	max.	typ.	max.	
Forward Voltage	V_{F1}	$I_R = 10mA$	0.72	1.0	0.72	1.0	V
Forward Voltage		$I_R = 50mA$	0.88	1.1	0.88	1.1	V
Forward Voltage	V_{F3}	$I_R = 100mA$	1.0	1.2	1.0	1.2	V
Reverse Current		$V_R = 30V$	-	0.1	-	-	μ A
Reverse Current	I_R	$V_R = 50V$	-	-	-	0.1	μ A
Terminal Cap.		$V_R = 0, f = 1MHz$	2.5	4.0	2.0	4.0	pF
Rev. Recovery	t	$I_R = 10mA$	-	4.0	-	4.0	ns

Part Numbering System

