

Surge Absorbers

Varistors

[Features]

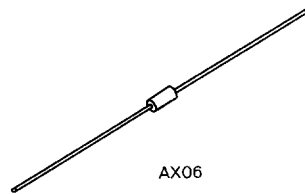
1. Bidirectional surge absorption is possible.
2. Low junction capacitance
3. SMD is available. (VR-61F, VRYA6, 15)

[Applications]

1. Telephone set surge absorption
2. Digital communications circuit surge absorption
3. ISDN terminal surge absorption



1Y



AX06



1F

Type No.	Color Code	Absolute Maximum Ratings				Electrical Characteristics (Ta=25℃)						Outline	
		I _o	I _{FSM}	T _{stg}	T _j	V _{F1}	I _{F1}	V _{F2}	I _{F2}	V _{F3}	I _{F3}		
		[mA]	[A]	[℃]	[℃]	[V]	[mA]	[V]	[mA]	[V]	[mA]	Package	Fig.
VR-60B(A)	Orange	500	16	-30~125	125	1.5	1000	—	—	0.2	0.02	AX06	3
-60BP(A)	Orange	500	16					0.58±0.03	1				
-51B(A)	*1	150	7.5					2.1±0.25	10				
-61B(A)	*2	150	7.5	2.3±0.25		2.75±0.25	3.1±0.25						
☆ -61F1*1	—	370	7.5	-55~150	150	2.3±0.25	1	2.75±0.25	10	3.1±0.25	70	1F	72
VRYA6*2	—	310	8	-30~125	125	2.3±0.25	1	2.75±0.25	10	3.1±0.25	70	1Y	30-2
15*2	—	140	6.5			5.75±0.62		6.875±0.625		7.75±0.62			

☆ : New products

*1 : On alumina substrate

*2 : On alumina substrate, 1 element operation

*1 : Silver—Silver

*2 : Orange—Red

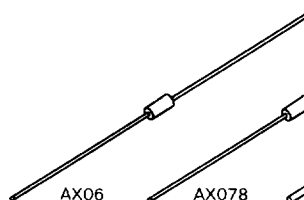
Trankillers

[Features]

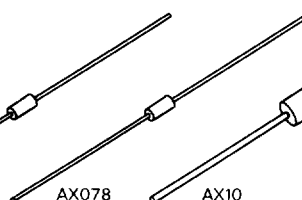
1. High speed response
2. Absorption energy tolerance capacity
3. Narrow clamping voltage width

[Applications]

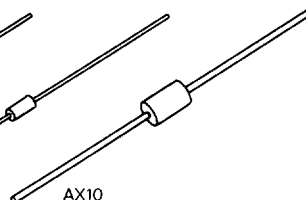
1. IC protection for electronic telephones
2. IC protection against abnormal voltage



AX06



AX078



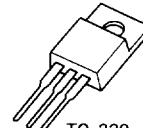
AX10



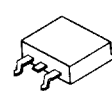
1F



2F



TO-220



STO-220

Type No.	Color Code	Absolute Maximum Ratings			Electrical Characteristics								Outline	
		PRSM	Tstg	Tj	VRM (max)	VBR (std)	Conditions IR [mA]	IR (max)	Conditions VR [V]	rZ (max)	VCL1 (max)	Conditions IPP [A]		
		[W]	[°C]	[°C]	[V]	[V]		[μA]		[%/°C]	[V]			
ST04-16	Silver	400	-40~150	150	13.6	16	I	5	13.6	0.09	23	15	AX06	2
-27					23	27			23		37	10		
★ST03-58F1	—	300	-40~150	150	45	58	I	5	45	—	80	4	1F	72
ST04-16F1	—	400	-40~175	175	13.6	16	I	5	13.6	0.09	23	15	1F	72
-27F1					23	27			23		37	10		
★ST20-47F2	—	2000	-40~150	150	38	47	I	5	38	—	67	50	2F	73
ST50D-27	—	5000	-40~150	150	23	27	I	5	23	0.09	38	130	TO-220	82-5
☆ST50V-27F	—	5000	-40~150	150	23	27	I	5	23	0.09	40	130	STO-220	76-4
ST70-27F	—	7000	-40~150	150	23	27	I	5	23	0.09	40	180	STO-220	76-4
★ST02D-82	Silver	200	-40~150	150	67	82	I	5	67	—	118	1.7	AX078	5
★ST03D-82	Silver	300	-40~150	150	67	82	I	5	67	—	118	2.5	AX10	6
☆DL04-18	—	400	-40~150	150	13	18	I	5	13	0.09	27	15	1F	72
★DL03-58	—	300	-40~150	150	45	58	I	5	45	—	80	4	1F	72

★ : Under development

☆ : New products