

SURGE PROTECTORS

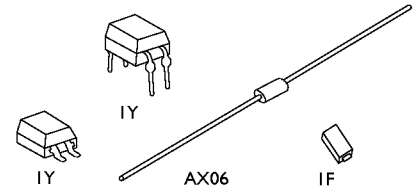
Varistors

Features

1. Bidirectional surge absorption is possible.
2. Low junction capacitance
3. SMD is available.

Application

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



Type No.	Color Code	Absolute Maximum Ratings				Electrical Characteristics (Ta=25°C)						Outline	
		Io	IFSM	Tstg	Tj	VF1	IF1	VF2	IF2	VF3	IF3	Package	Figure
VR-60B(A)	Orange	500	16	-30~125	125	1.5	1000	—	—	0.2	0.02	AX06	3
-60BP(A)								0.58±0.03	1				
-51B(A)	*3	150	7.5	-30~125	125	1.8±0.25	1	2.1±0.25	10	2.4±0.25	70	AX06	4
-61B(A)	*4					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	IF	72
VR YA6 ²⁾	—	310	8	-30~125	125	2.3±0.25	1	2.75±0.25	10	3.1±0.25	70	IY	29-2 (SMD 30-2)
15 ²⁾		140	6.5			5.75±0.62		6.875±0.625		7.75±0.62			

* 1: On alumina substrate

* 3: Silver-Silver

* 2: On alumina substrate, 1 element operation

* 4: Orange-Red

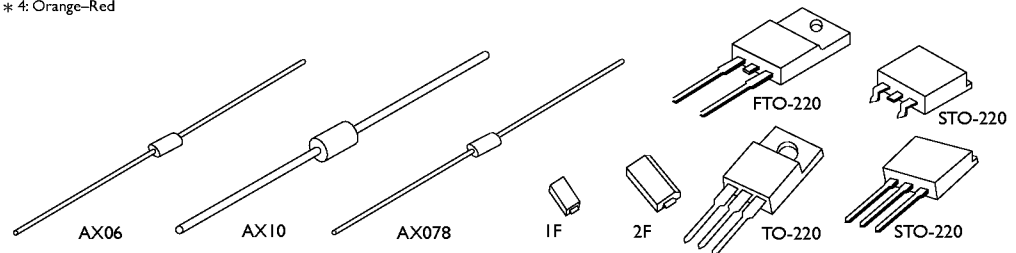
Trunkers

Features

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

Application

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



Type No.	Color Code	Absolute Maximum Ratings			Electrical Characteristics (Ta=25°C)								Outline	
		PRSM	Tstg	Tj	V _{RM} (max)	V _{BR} (std)	Conditions I _R	I _R (max)	Conditions V _R	r _Z (max)	V _{CU} (max)	Conditions I _{PP}	Package	Figure
ST02D-82	Silver	200	-40~150	150	67	82	1	5	67	—	118	1.7	AX078	5
-170	Red				145	170			145		280	0.75		
-200	Yellow				170	200			170		300	0.7		
ST03-58FI	—	300	-40~150	150	45	58	1	5	45	—	80	4	IF	72
ST03D-82	Silver	300	-40~150	150	67	82	1	5	67	—	118	2.5	AX10	6
-170	Red				145	170			145		280	1.1		
-200	Yellow				170	200			170		300	1		
SFT03D-82	—	300	-40~150	150	67	82	1	5	67	—	118	2.5	FTO-220	83-2
DL03-58FI	—	300	-40~150	150	45	58	1	5	45	—	80	4	IF	72
DL04-18FI		400			13	18			13		27	15		
ST04-16	Silver	400	-40~150	150	13.6	16	1	5	13.6	0.09	23	15	AX06	2
-27					23	27			23		37	10		
ST04-16FI	—	400	-40~150	150	13.6	16	1	5	13.6	0.09	23	15	IF	72
-27FI					23	27			23		37	10		
ST20-47F2	—	2000	-40~150	150	38	47	1	5	38	—	67	50	2F	73
ST50D-27	—	5000	-40~150	150	23	27	1	5	23	0.09	38	130	TO-220	80-5
ST50V-27F	—	5000	-40~150	150	23	27	1	5	23	0.09	40	130	STO-220	76-3 (SMD 74-4)
ST70-27F		7000										180		