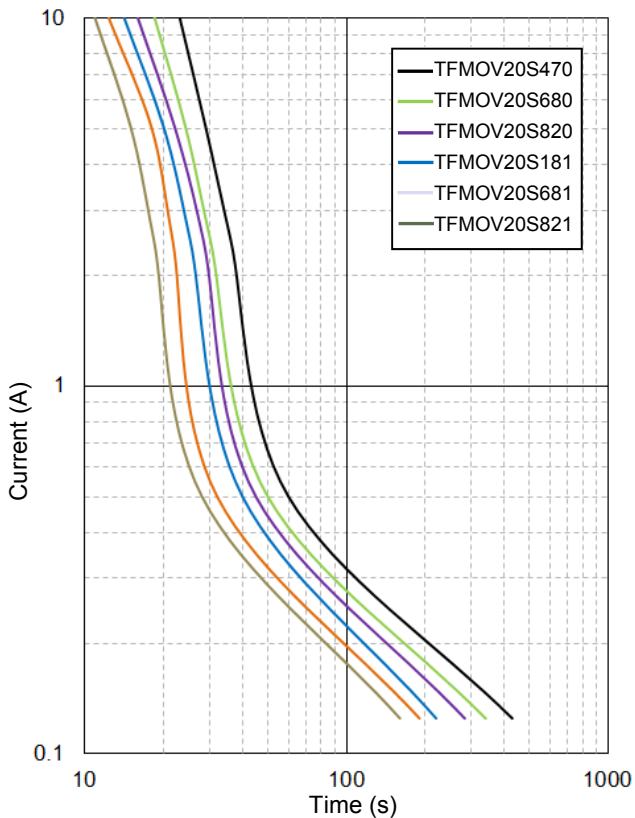


Dimensions (mm)

Model					Dimensions (mm)					
Type	TFMOV20S XXX	TFMOV20S XXXB	TFMOV20S XXXG	TFMOV20S XXXM	T	H	D	L	d1(Φ)	d2(Φ)
Varistor voltage	270~121	270~121	270~121	—	9±0.5	23.2±0.5	22.8±0.5	8±0.5	0.5±0.05	1.05±0.05
	151~271	—	—	—	9.5±0.5					
	—	151~271	151~271	270~121	10±0.5					
	301~471	301~471	301~471	151~271	11±0.5					
	511~681	511~621	511~621	301~471	12±0.5					
	751~821	681~821	681~821	511~621	13±0.5					
	911~122	911~122	911~122	681~122	15.5±0.5					

Note: Please contact us for detailed dimensions.

Limited Current Test Curve (UL 1449 3rd clause 39.4)

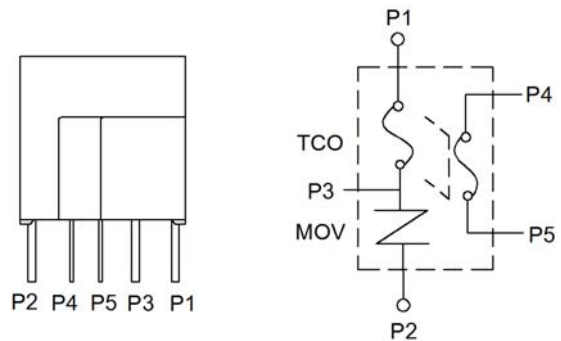


● The above curve is for reference only.

Applications

- Power surge protectors
- Industrial power supplies
- Surge protectors

Schematics



Packaging Information

- Each Blister plate: 40pcs
- Each Carton: 400pcs



Specifications

Model	Maximum Allowable Voltage		Varistor Voltage		Clamping Voltage (Max)		Maximum Peak Current (8/20μs)		Clamping Voltage Ratio		Maximum Energy (Joule)	Typical Capacitance (Reference)	Thermal Fuse	Level Of Limited Current Test			
	AC Rms	DC	V1.0mA (V)		VC	IP	In	I _{max}	Rcl	In	10/1000 μs	@1KHz		UL60691 E214712	B	G	M
	(V)	(V)	Min	Max	(V)	(A)	(KA)			(KA)	(J)	(pF)			20A	40A	80A
TFMOV20S270x	17	22	24	31	53	25	1.5	3	4.6	1.5	23	15600	UL60691 E214712	●	●	●	
TFMOV20S330x	20	26	30	36	65	25	1.5	3	4.6	1.5	29	13800		●	●	●	
TFMOV20S390x	25	31	35	43	77	25	1.5	3	4.6	1.5	33.5	10200		●	●	●	
TFMOV20S470x	30	38	42	52	93	25	2.5	5	4.3	2.5	41	8880		●	●	●	
TFMOV20S560x	35	45	50	62	110	25	2.5	5	3.8	2.5	49	7800		●	●	●	
TFMOV20S680x	40	56	61	75	135	25	2.5	5	3.8	2.5	59	7000		●	●	●	
TFMOV20S820x	50	65	74	90	135	125	5	10	3.2	7.5	67	5880		●	●	●	
TFMOV20S101x	60	85	90	110	165	125	5	10	3.2	7.5	84	4800		●	●	●	
TFMOV20S121x	75	100	108	132	200	125	5	10	3.2	7.5	102	4000		●	●	●	
TFMOV20S151x	95	125	139	162	250	125	5	10	3.2	7.5	127	3200		●	●	●	
TFMOV20S181x	115	150	167	195	300	125	5	10	2.3	7.5	156	2650		●	●	●	
TFMOV20S201x	130	170	186	216	340	125	7.5	15	2.3	7.5	170	2400		●	●	●	
TFMOV20S221x	140	180	204	238	360	125	7.5	15	2.3	7.5	185	2160		●	●	●	
TFMOV20S241x	150	200	223	260	395	125	7.5	15	2.3	7.5	200	2000		●	●	●	
TFMOV20S271x	175	225	251	292	455	125	7.5	15	2.3	7.5	230	1800		●	●	●	
TFMOV20S301x	190	250	279	324	500	125	7.5	15	2.3	7.5	250	1560		VT Series Ur:690Vac; Ir:15A/16A	●	●	●
TFMOV20S331x	210	275	306	357	550	125	7.5	15	2.3	7.5	270	1440	●		●	●	
TFMOV20S361x	230	300	334	389	595	125	7.5	15	2.3	7.5	305	1320	●		●	●	
TFMOV20S391x	250	320	362	422	650	125	7.5	15	2.3	7.5	330	1200	●		●	●	
TFMOV20S431x	275	350	399	465	710	125	7.5	15	2.3	7.5	365	1160	●		●	●	
TFMOV20S471x	300	385	437	508	775	125	7.5	15	2.3	7.5	420	1020	●		●	●	
TFMOV20S511x	320	415	474	551	845	125	7.5	15	2.3	7.5	430	935	●		●	●	
TFMOV20S561x	350	460	520	605	925	125	7.5	15	2.3	7.5	455	850	●		●	●	
TFMOV20S621x	385	505	576	670	1025	125	7.5	15	2.3	7.5	465	780	●		●	●	
TFMOV20S681x	420	560	632	735	1120	125	7.5	15	2.3	7.5	480	720	●		●	●	
TFMOV20S751x	460	615	697	810	1240	125	7.5	15	2.3	7.5	500	635	●		●	●	
TFMOV20S821x	510	670	762	886	1355	125	7.5	15	2.3	7.5	520	600	●		●	●	
TFMOV20S911x	550	745	846	983	1500	125	7.5	15	2.3	7.5	550	525	●		●	●	
TFMOV20S102x	625	825	930	1080	1650	125	7.5	15	2.3	7.5	610	480	●		●	●	
TFMOV20S112x	680	895	1023	1188	1815	125	7.5	15	2.3	7.5	675	430	●	●	●		
TFMOV20S122x	750	1000	1116	1296	1980	125	7.5	15	2.3	7.5	740	380	●	●	●		

a: Clamping voltage= (Clamping voltage ratio) × (Varistor voltage); The voltage protection level (Up) is selected according to IEC61643-11:2011 clause 6.4, which should be the higher than the minimum measured limiting voltage.

The preferred value of voltage protection level: 0.08KV; 0.09KV; 0.10KV; 0.12KV; 0.15KV; 0.22KV; 0.33KV; 0.4KV; 0.5KV; 0.6KV; 0.7KV; 0.8KV; 0.9KV; 1.0KV; 1.2KV; 1.5KV; 1.8KV; 2.0KV; 2.5KV; 3.0KV; 4.0KV; 5.0KV; 6.0KV; 8.0KV和10KV

x: may be followed by "B" or "G" or "M"