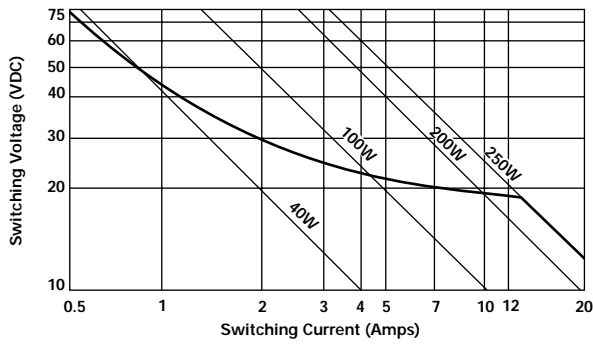
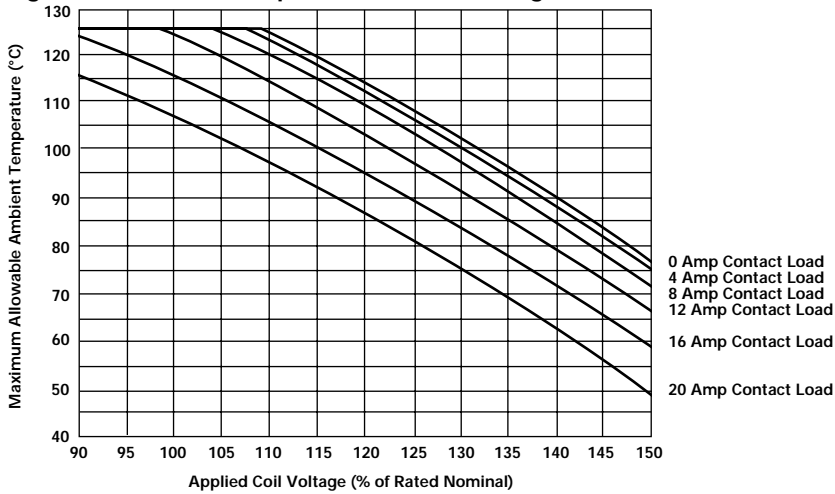


Figure 1 – Limiting Curve for Power Load



Safe breaking, arc extinguished (normally open contact) for resistive loads.

Figure 2 – Ambient Temperature vs. Coil Voltage for Continuous Load



Assumptions:

1. Thermal resistance = 50°C per watt
2. Still air
3. Nominal coil resistance
4. Maximum mean coil temperature = 180°C
5. Coil temperature rise due to load
 - = 1°C @ 4 amps
 - = 4.5°C @ 8 amps
 - = 9.5°C @ 12 amps
 - = 18°C @ 16 amps
 - = 26.5°C @ 20 amps
6. Thermal resistance and power dissipation based on coil resistance at 180°C
7. Curves are based on 1.5 watts at 23°C
8. When full lifetime is at high ambient and high load current, subtract 25°C from maximum allowable ambient temperature.

Ordering Information

Part Number	Contact Arrangement	Terminals	Contact Material
VFM-11F21	1 Form A	Quick connect	AgNi 0.15
VFM-11F41	1 Form A	Quick connect	AgSnO
VFM-15F21	1 Form C	Quick connect	AgNi 0.15
VFM-15F41	1 Form C	Quick connect	AgSnO

*Standard Coil Voltages: F = 12VDC

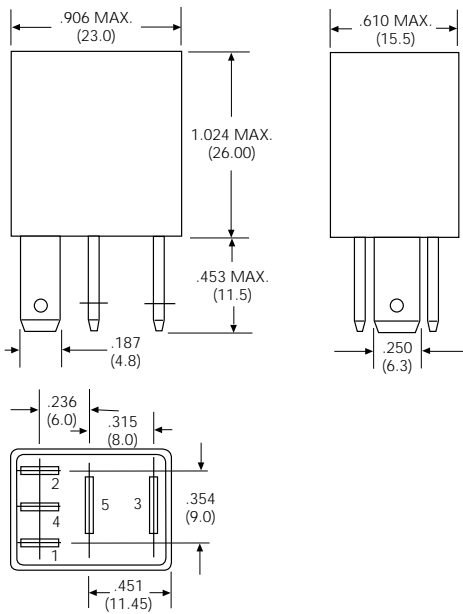
Optional Coil Suppression

Add suffix -S01 for 680 ohm resistor in parallel with 12VDC coil.

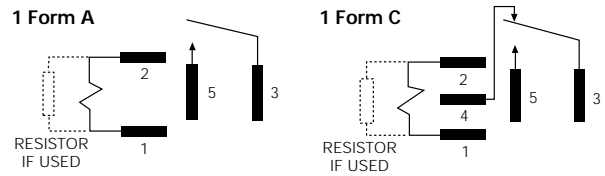
Stock Items – The following items are normally maintained in stock for immediate delivery.

No items in this series are stocked.

Outline Dimensions



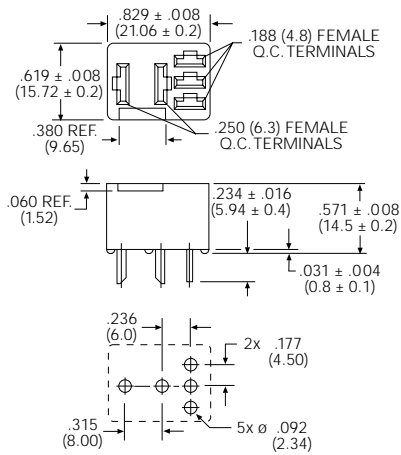
Wiring Diagrams (Bottom Views)



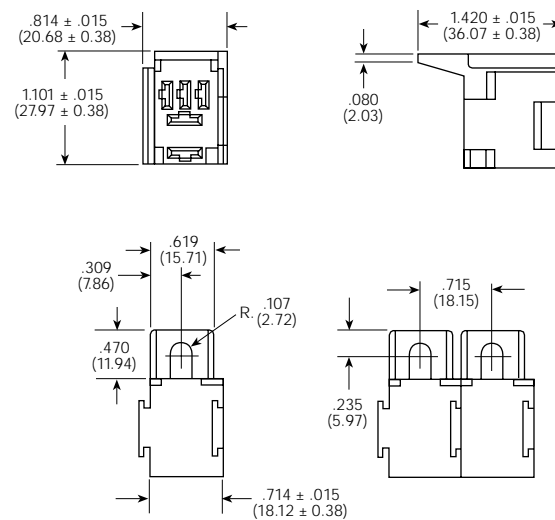
Connector

Connectors For Use With VFM Relays

PC Board Socket
VCFM-1000



Wire Harness Style, Bracket Mount Socket (Order Terminals Separately)
VCFM-1002



Connector/Terminal Usage Chart - Boldface items are stocked.

Connector	Terminal P/N	Required Crimp Terminals (Order Separately)					
		Alternate P/N	Wire AWG	Qty. Required		Use in Cavities	
				Form A	Form C	Form A	Form C
VCFM-1000	None	None	N/A	N/A	N/A	N/A	N/A
VCFM-1002	26A1349A	AMP 60249-1	12-16	2	2	3 & 5	3 & 5
	26A1349B	AMP 42281-1	14-18				
	26A1492A	G&H K26313	15-20	2	3	1 & 2	1, 2 & 4
	26A1492B	G&H K26312	14-16				