Type SST

Square Ceramic Surface Mount Slow Blow Fuse

HF Pb SST Series - 2410 Size

RoHS 6 Compliant

Features

- Slow Blow
- Small size, 2410 SMD
- Wide range of current rating from 375mA to 7A
- Wide operating temperature range
- Tape & Reel for auto-insert SMD process
- RoHS 6 compliant (MSL = 1)
- Halogen Free
- Leadfree

Applications

- Notebook
- LCD monitor
- PC computer
- Office electronic equipment
- Industrial equipment
- Medical equipment
- POE, POE+
- LCD / LED monitor
- Power supply
- LCD / LED TV

LEAD FREE = Pb

HALOGEN FREE = HF

Electrical Characteristics (UL/CSA/STD. 248-14)

Testing Current	Blow Time	
	Minimum	Maximum
100%	4 Hrs.	N/A
200%	1 Sec	60 Sec
300%	0.2 Sec	3 Sec
800%	0.02 Sec	0.1 Sec

Safety Agency Approvals

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
SP	LR39772	375mA - 7A / 125V AC 125V DC	375mA - 7A / 125V AC @50A 125V DC @50A
c UL us	E20624		

* I.R. = INTERRUPTING RATING = SHORT CIRCUIT RATING (AMPS)

Physical Specifications

Materials	Body : Ceramic
	Terminations : Palladium plated Brass Caps
Marking	On Fuse :
	"Current Rating" in green color, "bel" stamped in end caps.
	On Label :
	"bel", "SST", "Current Rating", "Voltage Rating", "Interrupting Rating", " Appropriate Safety Logos" and " ", " "(China RoHS compliant).

Specifications subject to change without notice

bel POWER SOLUTIONS & PROTECTION

a bel group

Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302 USA

+1 201.432.0463
techhelp@belf.com
belfuse.com

© 2014 Bel Fuse, Inc.

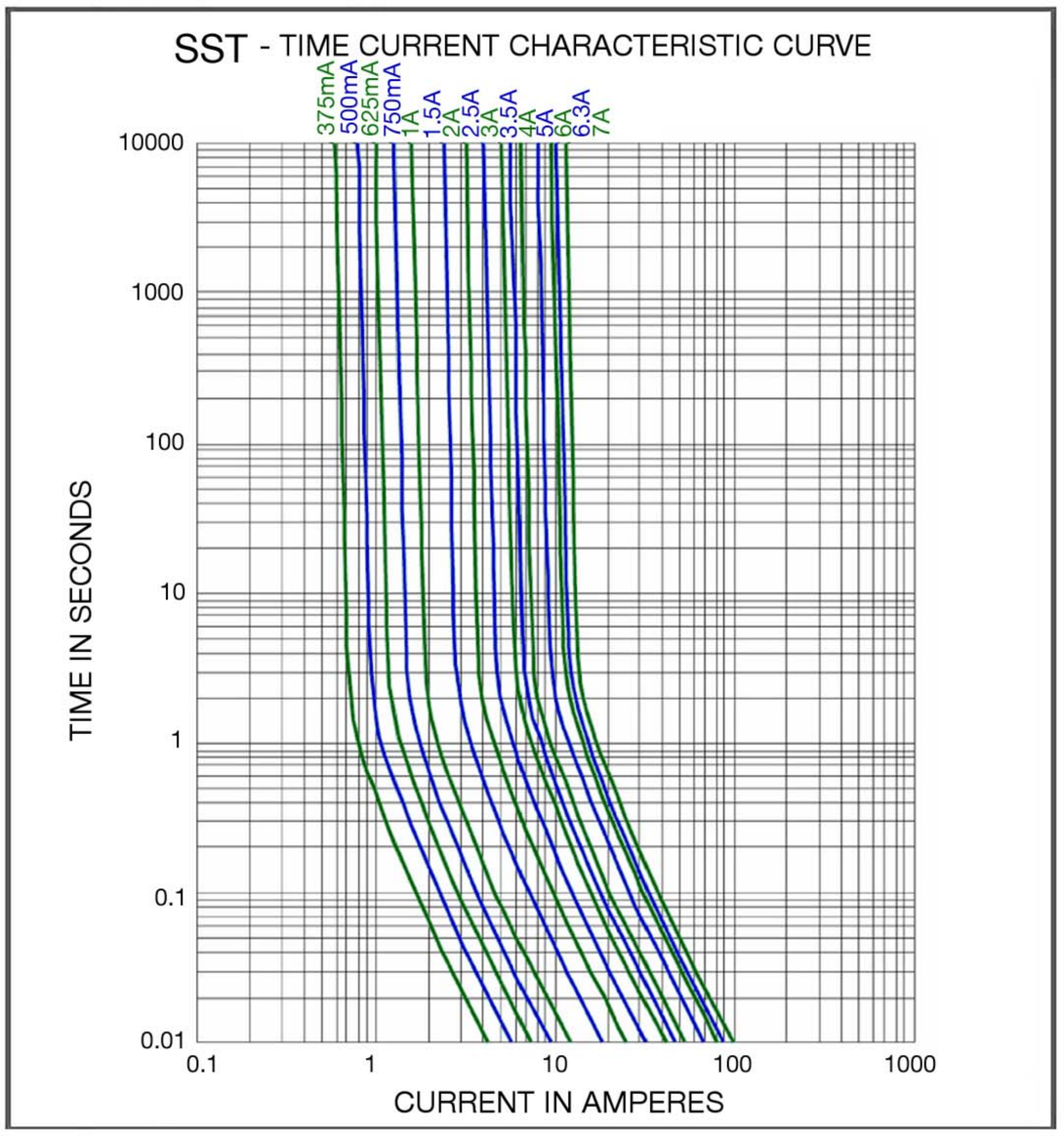
Type SST

Square Ceramic Surface Mount Slow Blow Fuse

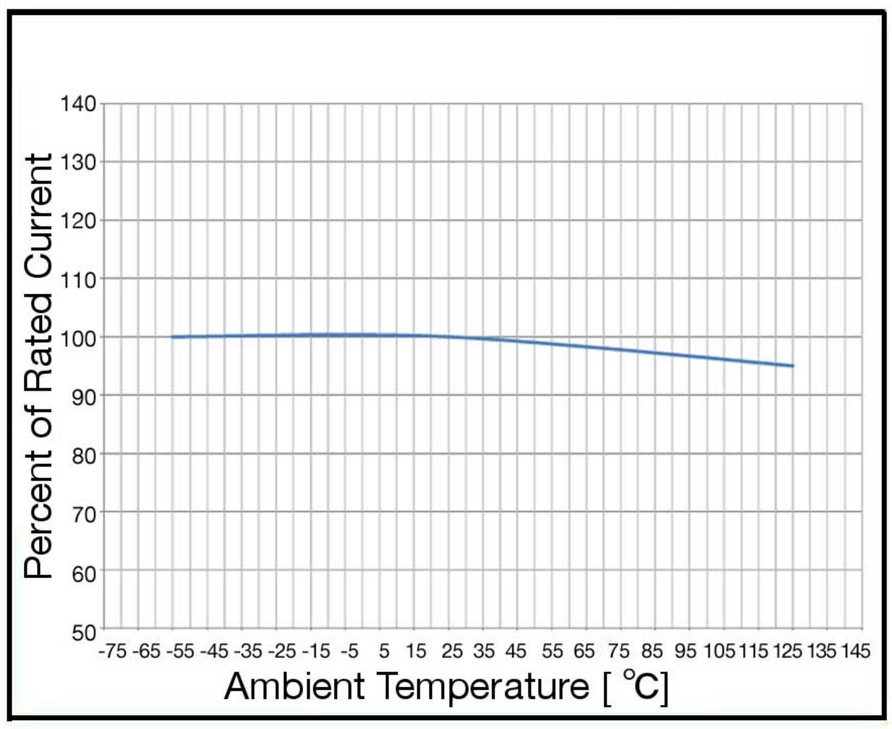
HF Pb SST Series - 2410 Size

RoHS 6 Compliant

Average Time Current Curve



Temperature Derating Curve



Electrical Specifications

Catalog Number	Ampere Rating (A)	Typical Cold Resistance (ohm)	Volt-drop @100% In (Volt) max.	Voltage and Interrupting Ratings	Melting I^2T <10 m Sec (A^2 Sec)	Melting I^2T @10 In (A^2 Sec)	Maximum Power Dissipation (W)	Agency Approvals	
								c UL us	SP
SST 375	375mA	0.72	0.53	See Table of Safety Approvals on Page 1 for Voltage and associated Interrupting Ratings	0.15	0.15	0.25	Y	Y
SST 500	500mA	0.49	0.52		0.27	0.28	0.30	Y	Y
SST 625	625mA	0.40	0.50		0.45	0.47	0.35	Y	Y
SST 750	750mA	0.25	0.42		0.66	0.69	0.39	Y	Y
SST 1	1A	0.162	0.35		1.2	1.3	0.47	Y	Y
SST1.5	1.5A	0.081	0.26		3	3.1	0.62	Y	Y
SST 2	2A	0.061	0.24		5	5.7	0.68	Y	Y
SST 2.5	2.5A	0.044	0.22		9	9	0.74	Y	Y
SST 3	3A	0.033	0.20		14	16	0.80	Y	Y
SST 3.5	3.5A	0.027	0.19		18	20	0.84	Y	Y
SST 4	4A	0.024	0.19		23	26	0.88	Y	Y
SST 5	5A	0.017	0.18		38	43	0.95	Y	Y
SST 6	6A	0.013	0.18		56	63	1.02	Y	Y
SST 6.3	6.3A	0.012	0.17		62	70	1.03	Y	Y
SST 7	7A	0.011	0.16		80	90	1.08	Y	Y

Consult manufacturer for other ratings

Specifications subject to change without notice

bel POWER SOLUTIONS & PROTECTION
a bel group

Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302 USA

+1 201.432.0463
techhelp@belf.com
belfuse.com

© 2014 Bel Fuse, Inc.

Type SST

Square Ceramic Surface Mount Slow Blow Fuse

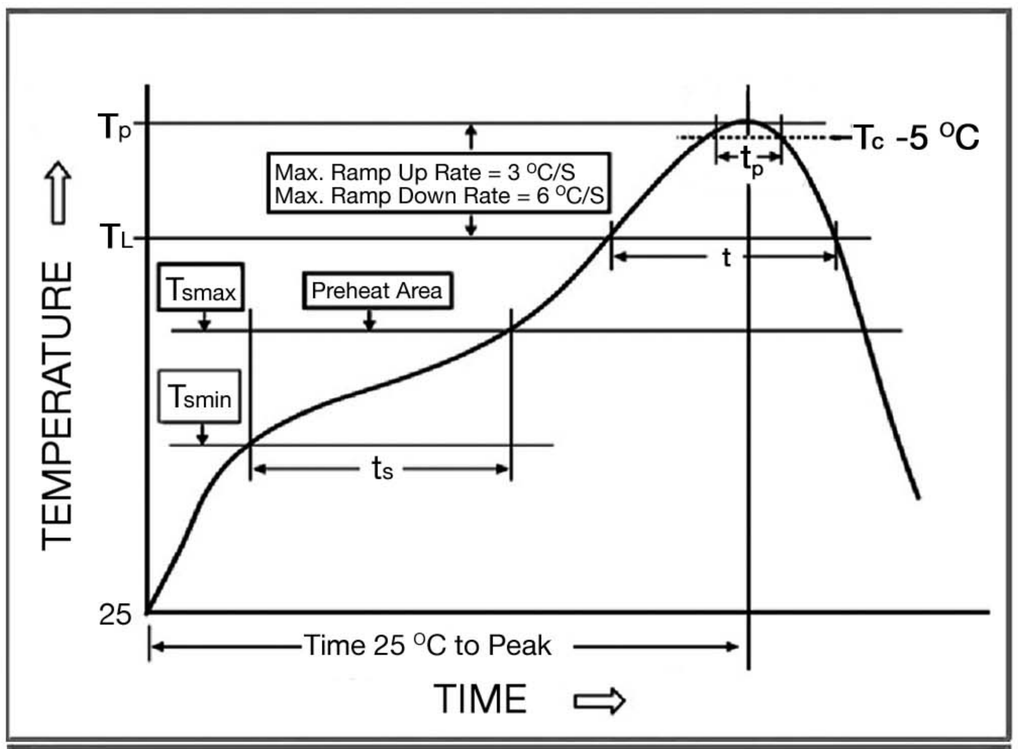
HF Pb SST Series - 2410 Size — RoHS 6 Compliant

Environmental Specifications

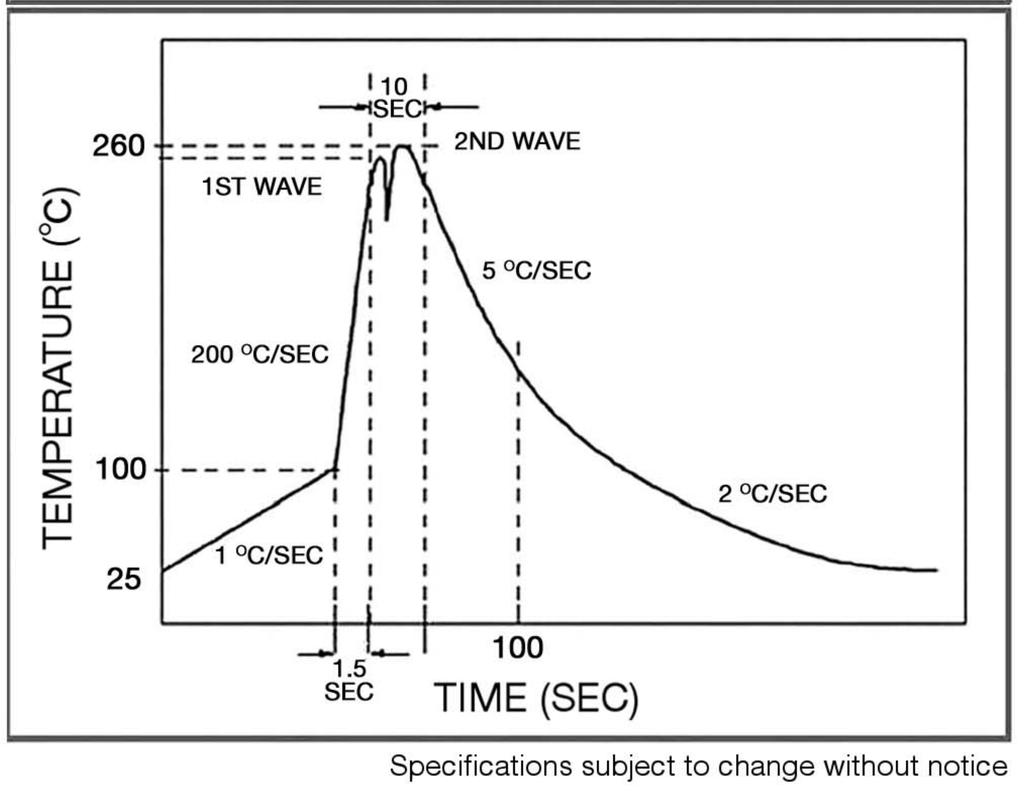
Shock Resistance	MIL-STD-202G, Method 213B, Test Condition 1 (100 G's peak for 6 milliseconds; Sawtooth waveform)
Vibration Resistance	MIL-STD-202G, Method 201A(10-55 Hz,0.06 inch, total excursion).
Salt Spray Resistance	MIL-STD-202G, Method 101E, Test Condition B(48 hrs).
Insulation Resistance	MIL-STD-202G, Method 302, Test Condition A (After Opening) 10,000 ohms minimum.
Solderability	MIL-STD-202G, Method 208H
Resistance to solder Heat	MIL-STD-202G, Method 210F, Test Condition C.Top Side(260 °C, 20 sec) MIL-STD-202G, Method 210F, Test Condition D.Bottom Side(260 °C,10 sec)
Thermal Shock	MIL-STD-202G, Method 107G, Test Condition B (-65 °C to +125 °C).
Operating Temperature	-55 °C to +125 °C
Moisture Sensitivity Level	1 (According to IPC J-Std-020)

Soldering Parameters

IR Reflow Profile (IPC/JEDEC J-STD-020D)	
Preheat & Soak Temperature min (T_{smin}) Temperature max (T_{smax}) Time (T_{smin} to T_{smax}) (t_s)	 150 °C 200 °C 60 -120 seconds
Average ramp-up rate (T_{smax} to T_p)	3 °C/second max.
Liquidous temperature (T_L) Time at liquidous (t_L)	217 °C 60 - 150 seconds
Peak temperature (T_p)	260 °C max
Time (tp) within 5 °C of the specified classification temperture (T_c)	30 seconds
Average ramp-down rate (T_p to T_{smax})	6 °C/second max.
Time 25 °C to peak temperature	8 minutes max.



Lead-free Wave Soldering Profile	
Wave Soldering Parameter	
Average ramp-up rate	200 °C / second
Heating rate during preheat	typical 1 - 2 °C / second Max 4 °C / second
Final preheat temperature	within 125 °C of soldering temperature
Peak temperature Tp	260 °C
Time within +0 °C / -5 °C of actual peak temperature	10 seconds
Ramp-down rate	5 °C / second max.



Specifications subject to change without notice

bel POWER SOLUTIONS & PROTECTION
a bel group

Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302 USA

+1 201.432.0463
techhelp@belf.com
belfuse.com

© 2014 Bel Fuse, Inc.

Type SST

Square Ceramic Surface Mount Slow Blow Fuse

HF Pb SST Series - 2410 Size

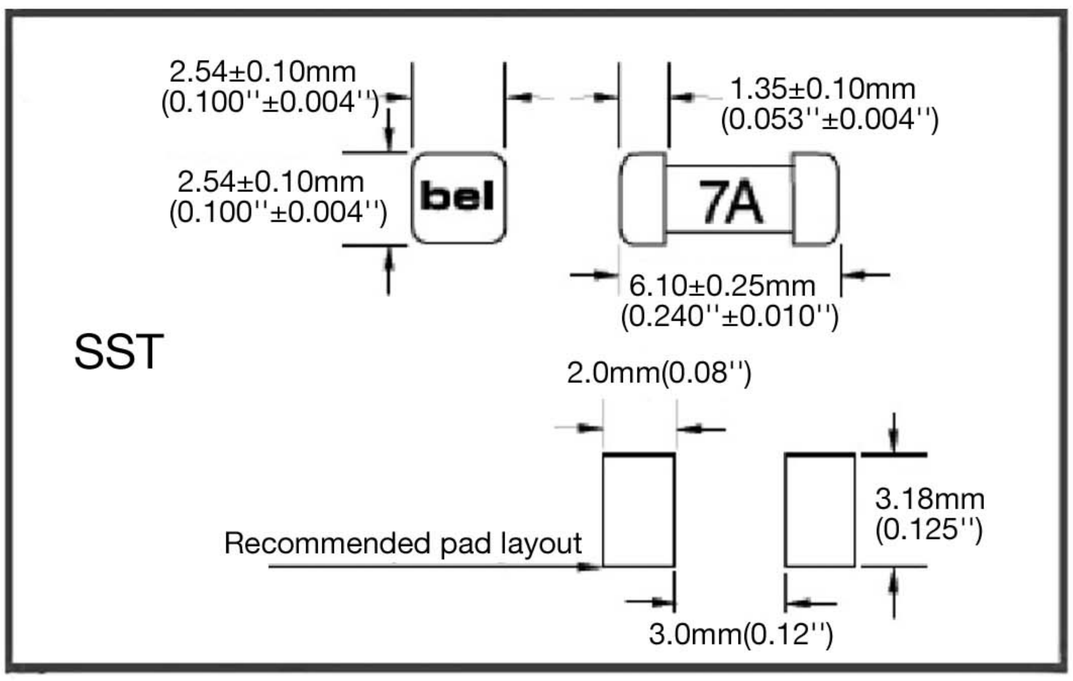
RoHS 6 Compliant

Fuse FGNO Explanation
06XX X [XXXX] X XX, [XXXX]=Ampere Rating

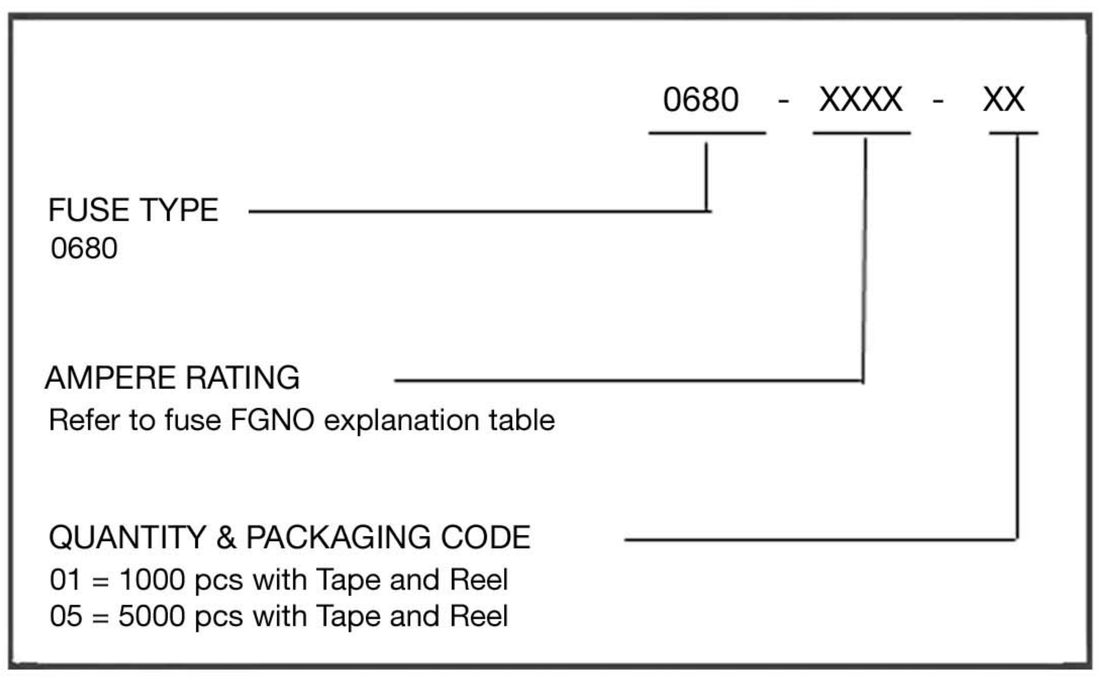
Fraction	Decimal	Milliamps	Bel FGNO[XXXX]
1/32	0.032	32	0032
1/25	.040	40	0040
1/20	.050	50	0050
1/16	.063	63	0063
8/100	.080	80	0080
1/10	.100	100	0100
1/8	.125	125	0125
15/100	.150	150	0150
	.160	160	0160
2/10	.200	200	0200
1/4	.250	250	0250
3/10	.300	300	0300
	.315	315	0315
3/8	.375	375	0375
4/10	.400	400	0400
1/2	.500	500	0500
6/10	.600	600	0600
	.630	630	0630
7/10	.700	700	0700
3/4	.750	750	0750
8/10	.800	800	0800

Fraction	Decimal	Amps	Bel FGNO[XXXX]
	1.0	1	1000
1-1/4	1.25	1.25	1250
1-1/2	1.50	1.5	1500
	1.60	1.6	1600
	2.0	2	2000
2-1/4	2.25	2.25	2250
2-1/2	2.5	2.5	2500
	3.0	3	3000
	3.15	3.15	3150
3-1/2	3.5	3.5	3500
	4.0	4	4000
	5.0	5	5000
	6.0	6	6000
	6.3	6.3	6300
	7.0	7	7000
7-1/2	7.5	7.5	7500
	8.0	8	8000
		10	9100
		12	9120
		15	9150
		20	9200
		25	9250
		30	9300

Mechanical Dimensions



Ordering Information



Packaging

Packaging Tape & Reel	Packaging Specification	Quantity	Quantity & Packaging Code
12 mm wide tape with 13 inches Diameter reel	EIA Standard 481-E	5000	05
12 mm wide tape with 7 inches Diameter reel	EIA Standard 481-E	1000	01

Specifications subject to change without notice

bel POWER SOLUTIONS & PROTECTION
a bel group

Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302 USA

+1 201.432.0463
techhelp@belf.com
belfuse.com

© 2014 Bel Fuse, Inc.