

# Kamet Stock/Standard BXX Heaters Application Guide

ARi Part Number	Sheath OD	Hot Length	Hot $\Omega$	Hot Section Power (W) for Supplied Voltage (V)								
	in	in	$\Omega$	25W	50W	75W	100W	125W	150W	175W	200W	250W
BXX04B12-12	0.040	12	30	28V	40V	50V	58V	64V				
BXX04B24-12	0.040	24	60	40V	56V	68V	80V	88V	98V	104V	112V	
BXX04B36-12	0.040	36	90	50V	68V	84V	98V	108V	118V			
BXX04B48-12	0.040	48	120	56V	78V	96V	112V	125V				
BXX04B60-12	0.040	60	150	64V	88V	108V	125V					

ARi Part Number	Sheath OD	Hot Length	Hot $\Omega$	Hot Section Power (W) for Supplied Voltage (V)									
	in	in	$\Omega$	25W	50W	75W	100W	150W	200W	250W	300W	350W	400W
BXX06B12-12	0.062	12	13	20V	26V	32V	38V	46V	54V				
BXX06B24-12	0.062	24	26	26V	38V	46V	52V	64V	74V	82V	90V	98V	104V
BXX06B36-12	0.062	36	39	32V	46V	56V	64V	78V	90V	100V	110V		
BXX06B48-12	0.062	48	52	38V	52V	64V	74V	90V	104V	115V			
BXX06B60-12	0.062	60	65	42V	58V	72V	82V	100V	115V				
BXX06B90-12	0.062	90	98	50V	70V	86V	100V	112V	122V				
BXX06120-12	0.062	120	130	60V	82V	100V	115V						

Application Color Legend	
Power Density W/cm <sup>2</sup>	Power Density Description
< 3	Low
3 - 6	Medium
6 - 15	High
> 15	Too High

# Kamet Stock/Standard BXX Heaters Application Guide

ARi Part Number	Sheath OD	Hot Length	Hot $\Omega$	Hot Section Power (W) for Supplied Voltage (V)						
	in	in	$\Omega$	100W	250W	500W	750W	1000W	1250W	1500W
BXX09B12-12	0.093	12	6	26V	40V					
BXX09B24-12	0.093	24	12	36V	56V	80V				
BXX09B36-12	0.093	36	18	44V	68V	96V	118V			
BXX09B48-12	0.093	48	24	50V	78V	112V	135V	160V	175V	
BXX09B60-12	0.093	60	30	56V	88V	125V	155V	175V	195V	215V
BXX09B72-12	0.093	72	36	62V	96V	135V	165V	195V	215V	235V
BXX09B84-12	0.093	84	42	66V	105V	150V	180V	210V	230V	
BXX09B96-12	0.093	96	48	70V	110V	160V	190V	220V		
BXX09B108-12	0.093	108	54	75V	120V	165V	205V	235V		
BXX09B120-12	0.093	120	60	80V	125V	175V	215V			

Application Color Legend	
Power Density W/cm <sup>2</sup>	Power Density Description
< 3	Low
3 - 6	Medium
6 - 15	High
> 15	Too High

# Kamet Stock/Standard BXX Heaters Application Guide

ARi Part Number	Sheath OD	Hot Length	Hot $\Omega$	Hot Section Power (W) for Supplied Voltage (V)									
	in	in	$\Omega$	250W	500W	750W	1000W	1250W	1500W	1750W	2000W	2250W	2500W
BXX13B24-12	0.125	24	6.4	42V	58V	72V							
BXX13B48-12	0.125	48	12.8	58V	82V	100V	115V	130V	140V	155V			
BXX13B72-12	0.125	72	19.2	70V	100V	125V	140V	160V	175V	185V	200V	210V	215V
BXX13B96-12	0.125	96	25.6	85V	115V	140V	165V	185V	200V	215V	230V		
BXX13B120-12	0.125	120	32	90V	130V	160V	180V	205V	220V	240V			
BXX13B144-12	0.125	144	38.4	100V	140V	170V	200V	220V	240V				
BXX13B168-12	0.125	168	44.8	110V	150V	185V	215V						
BXX13B192-12	0.125	192	51.2	115V	160V	200V	230V						
BXX13B216-12	0.125	216	57.6	120V	170V	210V							
BXX13B240-12	0.125	240	64	125V	175V	210V							

Application Color Legend	
Power Density W/cm <sup>2</sup>	Power Density Description
< 3	Low
3 - 6	Medium
6 - 15	High
> 15	Too High

# Kamet Stock/Standard BXX Heaters Application Guide

ARi Part Number	Sheath OD	Hot Length	Hot $\Omega$	Hot Section Power (W) for Supplied Voltage (V)								
	in	in	$\Omega$	500W	1000W	1500W	2000W	2500W	3000W	3500W	4000W	4500W
BXX19B24-12	0.188	24	2.8	40V	55V							
BXX19B48-12	0.188	48	5.6	55V	75V	95V	110V					
BXX19B72-12	0.188	72	8.4	65V	95V	115V	130V	145V	160V	185V		
BXX19B96-12	0.188	96	11.2	75V	110V	130V	150V	170V	185V	200V	215V	225V
BXX19B120-12	0.188	120	14	85V	120V	145V	170V	190V	205V	225V	240V	
BXX19B144-12	0.188	144	16.8	95V	130V	160V	185V	205V	225V	245V		
BXX19B168-12	0.188	168	19.6	100V	140V	175V	200V	225V	245V			
BXX19B192-12	0.188	192	22.4	110V	150V	185V	215V	240V				
BXX19B216-12	0.188	216	25.2	115V	160V	195V	225V					
BXX19B240-12	0.188	240	28	120V	170V	205V	240V					

Application Color Legend	
Power Density	Power Density
< 3	Low
3 - 6	Medium
6 - 15	High
> 15	Too High

# Kamet Stock/Standard BXX Heaters Application Guide

ARi Part Number	Sheath OD	Hot Length	Hot $\Omega$	Hot Section Power (W) for Supplied Voltage (V)									
	in	in	$\Omega$	1000 W	2000 W	3000 W	4000 W	5000 W	6000 W	7000 W	8000 W	9000 W	10,000W
BXX25B24-12	0.250	24	1.4	40V									
BXX25B48-12	0.250	48	2.8	55V	75V	95V							
BXX25B72-12	0.250	72	4.2	65V	95V	115V	130V	145V					
BXX25B96-12	0.250	96	5.6	75V	110V	130V	150V	170V	185V	200V			
BXX25B120-12	0.250	120	7.0	85V	120V	145V	170V	190V	205V	225V	240V	255V	
BXX25B144-12	0.250	144	8.4	95V	130V	160V	185V	205V	225V	245V	260V	275V	295V
BXX25B168-12	0.250	168	9.8	100V	140V	175V	200V	225V	245V	265V	280V	300V	
BXX25B192-12	0.250	192	11.2	110V	150V	185V	215V	240V	260V	280V	300V		
BXX25B216-12	0.250	216	12.6	115V	160V	195V	225V	255V	275V	300V			
BXX25B240-12	0.250	240	14.0	120V	170V	205V	240V	265V	290V				

Application Color Legend	
Power Density	Power Density
< 3	Low
3 - 6	Medium
6 - 15	High
> 15	Too High